

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Shin KOIKE, et al.

SERIAL NO: NEW APPLICATION

FILED: HEREWITH

FOR: OIL COMPOSITION

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the International Search Report and European Search Report listed on the attached form PTO-1449. The listed references are of record in prior application serial no. 10/032,493, filed January 2, 2002.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

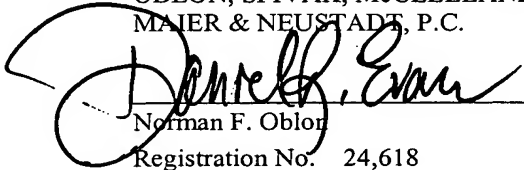
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.


Norman F. Oblon

Registration No. 24,618

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Daniel R. Evans, Ph.D.
Registration No. 55,868



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Shin KOIKE, et al.

SERIAL NO: NEW APPLICATION

FILED: HEREWITH

FOR: OIL COMPOSITION

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the International Search Report and European Search Report listed on the attached form PTO-1449. The listed references are of record in prior application serial no. 10/032,493, filed January 2, 2002.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLOK, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.


Norman F. Oblon

Registration No. 24,618

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Daniel R. Evans, Ph.D.
Registration No. 55,868



Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 247071US0DIV		SERIAL NO.	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Shin KOIKE, et al.			
				FILING DATE		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	4,976,984	12/11/90	YASUKAWA, et al.			
	AB	6,004,611	12/21/99	GOTOH, et al.			
	AC	5,160,759	11-1992	NOMURA, et al.	426	602	
	AD	6,337,414	1-2002	SUGIURA, et al.	554	174	
	AE	6,361,980	3-2002	SUGIURA, et al.	435	134	
	AF	6,448,292	9-2002	KOIKE, et al.	514	558	
	AG	6,495,536	12-2002	MASUI, et al.	514	182	
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	63-104917	05/10/88	JAPAN (w/English Abstract)		x	
	AP	8-060181	03/05/96	JAPAN (w/English Abstract)		x	
	AQ	2-190146	07/26/90	JAPAN (w/English Abstract)		x	
	AR	10-176181	06/30/98	JAPAN (w/English Abstract)		x	
	AS	WO 01/10989	02/15/01	WIPO (English Abstract only)			
	AT	1-174342	07/10/89	JAPAN (w/English Abstract)		x	
	AU	4-300825	10/23/92	JAPAN (w/English Abstract)		x	
	AV	4-300826	10/23/92	JAPAN (w/English Abstract)		x	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	Y. TANAKA, et al., JAOCS, vol. 69, no. 12, pages 1210 – 1214, "CONCENTRATION OF DOCOSAHEXAENOIC ACID IN GLYCERIDE BY HYDROLYSIS OF FISH OIL WITH CANDIDA CYLINDRACEA LIPASE", December 1992					
	AX	T. HOSHINO, et al., Agric. Biol. Chem., vol. 54, no. 6, pages 1459 – 1467, "SELECTIVE HYDROLYSIS OF FISH OIL BY LIPASE TO CONCENTRATE n-3 POLYUNSATURATED FATTY ACIDS", 1990					
	AY	Zu-Yi LI, et al., JAOCS, vol. 70, no. 8, pages 745 – 748, "LIPASE-CATALYZED ESTERIFICATION OF GLYCEROL AND n-3 POLYUNSATURATED FATTY ACID CONCENTRATE IN ORGANIC SOLVENT", August 1993					
	AZ	B. MYRNES, et al., JAOCS, vol. 72, no. 11, pages 1339 – 1344, "SOLVENT-FREE ENZYMATIC GLYCEROLYSIS OF MARINE OILS", 1995				<input checked="" type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 247071US0DIV		SERIAL NO.	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Shin KOIKE, et al.			
				FILING DATE		GROUP	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AAA	Y. SHIMADA, et al., JAOCS, vol. 72, no. 12, pages 1577 – 1581, "SELECTIVE HYDROLYSIS OF POLYUNSATURATED FATTY ACID-CONTAINING OIL WITH GEOTRICHUM CANDIDUM LIPASE", 1995					
	AAB	H. BREIVIK, et al., JAOCS, vol. 74, no. 11, pages 1425 – 1429, "PREPARATION OF HIGHLY PURIFIED CONCENTRATES OF EICOSAPENTAENOIC ACID AND DOCOSAHEXAENOIC ACID", 1997					
	AAC	Z. LI, et al., Biotechnology Letters, vol. 15, no. 4, pages 393-398, "STABILITY OF MICROBIAL LIPASE IN ALCOHOLYSIS OF FISH OIL DURING REPEATED ENZYME USE", April 1993					
	AAD						
	AAC						
	AAF						
	AAG						
	AAH						
	AAI						
	AAJ						
	AAK						
	AAF						
	AAM						
	AAN						
	AAO						
	AAP						
	AAQ						
Examiner						Date Considered	
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 247071US0DIV		SERIAL NO.	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Shin KOIKE, et al.			
				FILING DATE		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AAA	4-300828	10/23/92	JAPAN (w/English Abstract)		x	
	AAB	8-214892	08/27/96	JAPAN (w/English Abstract)		x	
	AAC	10-057086	03/03/98	JAPAN (w/English Abstract)		x	
	AAD	10-265795	10/06/98	JAPAN (w/English Abstract)		x	
	AAE	62-132808	06/16/87	JAPAN (w/English Abstract)		x	
	AAF	64-002589	01/06/89	JAPAN (w/English Abstract)		x	
	AAG	1-160988	06/23/89	JAPAN (w/English Abstract)		x	
	AAH	WO 01/01787	01/11/2001	WIPO			
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW						
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

247071US0DIV

SERIAL NO.

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Shin KOIKE, et al.

FILING DATE

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AAI	2-011516	01/16/90	JAPAN (w/English Abstract)		x
	AAJ	2-045424	02/15/90	JAPAN (w/English Abstract)		x
	AAK	2 599 382	12/04/87	FRANCE (w/English Abstract)		x
	AAL	WO 01/15542	03/08/2001	WIPO		
	AAM	WO 02/11551	02/14/2002	WIPO		
	AAN	WO 96/37586	11/28/96	WIPO		
	AAO	WO 02/11551	02/14/2002	WIPO		
	AAP					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	
	AX	
	AY	
	AZ	<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.